

3 Amp Charge Controller

Application:

The **CS** charge controller is used between solar panels and batteries to regulate and optimized charging of batteries. It prevents over charging of batteries to ensure long and trouble free service. The charge controller can be ordered with a special float voltage to charge small batteries. The exceptionally small size of this unit makes it extremely portable and able to fit almost anywhere in the user equipments

Features:

- Special order unit can charge lower voltage rechargeable battery
For examples, a 7.2V Li-ion battery from a 12V nominal solar panel with minimum loss of energy
- Regulates output at float level even without battery connected (or bad batteries)
- Over charge protection



Mechanical Specification:

Weight: 140 gm approx.
Size: 75mm x 50mm x 22mm

Connections:

Power- battery and Solar Panel #16AWG flying Lead

Setup- Jumper selectable for 12/24 battery and/or solar panel operation

Operating Temp:-40 to 60°C

Humidity: 0-90% non-condensing

Electrical Specifications:

Nominal Voltage (V)	12	24
Nominal Solar Array Voltage (V)	12	24
Maximum Solar Array Voltage (V)	50	50
Maximum Output Current (A)	3	3
Self Consumption during charging (A)	0.02	0.02
Self Consumption Quiescent (A)	0.01	0.01
Setpoint Tolerance(+/-)	5%	5%
Float setting** (V)	14.1	27.2
Efficiency	96%	96%

**Special Units have suffix of B XX after part number. Where XX is float value of the charge controller

Note: The specifications are subject to change without notice

CONTACT:

Centennial Solar Inc.
8114-B, Trans Canada, St. Laurent, Quebec, CANADA H4S 1M5
Tel: 514-461-9822, 514-461-9823 Fax: 514-461-9824
Email: info@centennialsolar.com
Website: www.centennialsolar.com